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Title:
DNA coding alkali-protease Ya enzyme - has good alkali and surfactant resistance and improves detergency

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Derwent Primary Accession Number:
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Abstract:

The following are claimed a DNA coding (I) enzyme, pref. specified by a given 433 aminoacid sequence and a given 1299 aminoacid DNA sequence, a plasmid DNA contg. the above DNA; a microbe in which the above plasmid DNA is introduced; and the prepn. of (I) in which the above microbe is cultured and (I) is collected from the culture, the microbe being pref. a *Bacillus* genus bacterium.

USE/ADVANTAGE - Ya enzyme has good alkali and surfactant resistance and improves detergency.

In an example probes N and C are prepnd. *Bacillus* sp. Y is cultured and the chromosome DNA is prepnd. It is digested and southern hybridised with respective probes N and C. pBR328 is digested and introduced into *E coli* HB101. DNA is extracted from it and southern hybridised with respective probes N and C to give respectively pYX1 and pYB2. Their base sequence are determined. A promoter is obtd. from *Bacillus licheniformis* LB8907. A plasmid which can express Ya enzyme is prepnd. Ya enzyme is expressed. A transformant holding a plasmid pUB8A produces alkaliprotease and Ya enzyme in high efficiency.

International Patent Classification:
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Derwent Class:
B04 (Natural products and polymers, testing, compounds of unknown structure); D16 (Fermentation industry)

Derwent Manual Code(s):
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